

Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
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EFS ID: 15522  
Application ID: 10063987  
Title of Invention: APPARATUS AND METHOD FOR  
CLEANING INTERNAL CHANNELS  
OF AN ARTICLE  
First Named Inventor: Canan Hardwicke  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2002-05-31  
Submission Type: Utility Patent Filing  
Filing Type: new-utility  
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Attorney Docket Number: RD-28351  
Digital Certificate Holder: cn=Paul J. DiConza, ou=Registered Attorneys, ou=Patent and  
Trademark Office, ou=Department of Commerce, o=U.S.  
Government, c=US  
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Deposit Account Name: Paul J. DiConza



# TRANSMITTAL FORM

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Stylesheet Version: 1.0

Attorney Docket  
Number:

RD-  
28351

Submission Type: Utility Patent  
Filing

## APPARATUS AND METHOD FOR CLEANING INTERNAL CHANNELS OF AN ARTICLE

First Named Inventor: Canan U. Hardwicke

### SUBMITTED BY

Name:	Paul J. DiConza
Registration Number:	48,418
Electronic Signature Mark: PJD	Date Signed: 20020531

*I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.*

*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

### Attached Files:

declaration	DEC1.tif
declaration	DEC2.tif
declaration	DEC3.tif

[illegible]

1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37	2037-38	2038-39	2039-40	2040-41	2041-42	2042-43	2043-44	2044-45	2045-46	2046-47	2047-48	2048-49	2049-50	2050-51	2051-52	2052-53	2053-54	2054-55	2055-56	2056-57	2057-58	2058-59	2059-60	2060-61	2061-62	2062-63	2063-64	2064-65	2065-66	2066-67	2067-68	2068-69	2069-70	2070-71	2071-72	2072-73	2073-74	2074-75	2075-76	2076-77	2077-78	2078-79	2079-80	2080-81	2081-82	2082-83	2083-84	2084-85	2085-86	2086-87	2087-88	2088-89	2089-90	2090-91	2091-92	2092-93	2093-94	2094-95	2095-96	2096-97	2097-98	2098-99	2099-00	2100-01	2101-02	2102-03	2103-04	2104-05	2105-06	2106-07	2107-08	2108-09	2109-10	2110-11	2111-12	2112-13	2113-14	2114-15	2115-16	2116-17	2117-18	2118-19	2119-20	2120-21	2121-22	2122-23	2123-24	2124-25	2125-26	2126-27	2127-28	2128-29	2129-30	2130-31	2131-32	2132-33	2133-34	2134-35	2135-36	2136-37	2137-38	2138-39	2139-40	2140-41	2141-42	2142-43	2143-44	2144-45	2145-46	2146-47	2147-48	2148-49	2149-50	2150-51	2151-52	2152-53	2153-54	2154-55	2155-56	2156-57	2157-58	2158-59	2159-60	2160-61	2161-62	2162-63	2163-64	2164-65	2165-66	2166-67	2167-68	2168-69	2169-70	2170-71	2171-72	2172-73	2173-74	2174-75	2175-76	2176-77	2177-78	2178-79	2179-80	2180-81	2181-82	2182-83	2183-84	2184-85	2185-86	2186-87	2187-88	2188-89	2189-90	2190-91	2191-92	2192-93	2193-94	2194-95	2195-96	2196-97	2197-98	2198-99	2199-00	2200-01	2201-02	2202-03	2203-04	2204-05	2205-06	2206-07	2207-08	2208-09	2209-10	2210-11	2211-12	2212-13	2213-14	2214-15	2215-16	2216-17	2217-18	2218-19	2219-20	2220-21	2221-22	2222-23	2223-24	2224-25	2225-26	2226-27	2227-28	2228-29	2229-30	2230-31	2231-32	2232-33	2233-34	2234-35	2235-36	2236-37	2237-38	2238-39	2239-40	2240-41	2241-42	2242-43	2243-44	2244-45	2245-46	2246-47	2247-48	2248-49	2249-50	2250-51	2251-52	2252-53	2253-54	2254-55	2255-56	2256-57	2257-58	2258-59	2259-60	2260-61	2261-62	2262-63	2263-64	2264-65	2265-66	2266-67	2267-68	2268-69	2269-70	2270-71	2271-72	2272-73	2273-74	2274-75	2275-76	2276-77	2277-78	2278-79	2279-80	2280-81	2281-82	2282-83	2283-84	2284-85	2285-86	2286-87	2287-88	2288-89	2289-90	2290-91	2291-92	2292-93	2293-94	2294-95	2295-96	2296-97	2297-98	2298-99	2299-00	2300-01	2301-02	2302-03	2303-04	230
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Comments:

10063987 APP ID=10063987

## DECLARATION FOR PATENT APPLICATION

Docket Nur  
RD-28,3

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**APPARATUS AND METHOD FOR CLEANING INTERNAL CHANNELS OF AN ARTICLE**

the specification of which is attached hereto unless the following box is checked:

☐ was filed on \_\_\_\_\_ as United States Application Number or PCT International Application Number \_\_\_\_\_  
and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as a by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56. I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having date before that of the application on which priority is claimed.

### Prior Foreign Application

(Number)	(Country)	(Day/Month/Year Filed)	Priority Claimed
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

(Application Number)	(Filing Date)
_____	_____
_____	_____

I hereby claim the benefit under Title 35, United States Code §120 of any United States Application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing of the prior application and the national or PCT international filing date of this application.

(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)
_____	_____	_____
_____	_____	_____

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, **CUSTOMER NO. 006147.**

Paul J. DiConza, Reg. No. 48,418

Christian G. Cabou, Reg. No. 35,467, Jill M. Breedlove, Reg. No. 32,684, Donald S. Ingraham, Reg. No. 33,714, Noreen Johnson, Reg. No. 38,929, Patrick K. Patnode, Reg. No. 40,121, Ronald E. Myrick, Reg. No. 26,315, Henry J. Policinski, Reg. No. 26,621, James W. Mitchell, Reg. No. 25,602, Bernard Snyder, Reg. No. 24,843, Catherine J. Winter, Reg. No. 38,364, and John Beninati, Reg. No. 40,510.

Address all telephone calls to: Paul J. DiConza at telephone number (518) 387-6131

Address all correspondence to: **General Electric Company**  
**CRD Patent Docket Rm 4A59**  
**P.O. Box 8, Ridge, N.Y.**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information or belief are believed to be true and further that these statements were made with the knowledge that willful false statements and omissions like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SOLE OR FIRST INVENTOR:

Full name: Canan U. Hardwicke  
First Name Middle Name Last Name  
Signature: Canan U. Hardwicke Date: 5/10/02  
Residence: Niskayuna, New York Citizenship: USA  
City and State  
Post Office Address: 1230 Sandra Lane, Niskayuna, New York 12309

SECOND JOINT INVENTOR:

Full name: Michael F.X. Gigliotti  
First Name Middle Name Last Name  
Signature: Michael F.X. Gigliotti Date: 5/10/02  
Residence: Scotia, New York Citizenship: USA  
City and State  
Post Office Address: 41 Kile Drive, Scotia, New York 12302

THIRD JOINT INVENTOR:

Full name: John B. Deaton Sr. Jr.  
First Name Middle Name Last Name  
Signature: John B. Deaton, Jr. Date: 5/16/2002  
Residence: Schenectady, New York Citizenship: USA  
City and State  
Post Office Address: 1112 Merlin Drive, Schenectady, New York 12309

FOURTH JOINT INVENTOR:

Full name: Paul L. Dupree  
First Name Middle Name Last Name  
Signature: Paul L. Dupree Date: 5/16/02  
Residence: Scotia, New York Citizenship: USA  
City and State  
Post Office Address: 40 <sup>VIA</sup> <sup>P.O.</sup> Road, Scotia, New York 12302

FIFTH JOINT INVENTOR:

Full name: Robert S. Gilmore

First Name

Middle Name

Last Name

Signature: Robert S. Gilmore

Date

May-16-2002

Residence: Charlton, New York

City and State

Citizenship: USA

Post Office Address: 1111 Eastern Avenue, Charlton, New York 12019

SIXTH JOINT INVENTOR:

Full name:

First Name

Middle Name

Last Name

Signature:

Date

Residence:

City and State

Citizenship:

Post Office Address:

SEVENTH JOINT INVENTOR:

Full name:

First Name

Middle Name

Last Name

Signature:

Date

Residence:

City and State

Citizenship:

Post Office Address:

EIGHTH JOINT INVENTOR:

Full name:

First Name

Middle Name

Last Name

Signature:

Date

Residence:

City and State

Citizenship:

Post Office Address:

# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

**TOTAL FEES AUTHORIZED: \$ 1242**

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account  
Number: 07-0868



Deposit Account Name: General Electric Company-Global Research  
Center

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

## SUBMITTED BY

Authorized Name: Paul J. DiConza  
Electronic Signature Mark: PJD  
Date Signed: 20020531

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 41	103	\$ 18	21	\$ 378



Independent Claims: 4	102	\$ 84	1	\$ 84
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Subtotal For Extra Claims Fees: \$ 462

#### ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40